

**CLAIMS**

1       1. A method for eliminating redundancy among multiple execution sequences  
2       during workload simulation of an e-business application, the method comprising:  
3              creating a workload reference object comprising a plurality of reference  
4              command objects;  
5              copying selected ones of said reference command objects in response to a work  
6              request to process a workload; and  
7              assembling said copied referenced command objects to create said workload in  
8              response to said work request.

1       2. The method according to claim 1, wherein said creating step further comprises  
2              parsing workload configuration data stored in a workload configuration file to create a  
3              master workload.

1       3. The method according to claim 2, further comprising executing said assembled  
2              command objects.

1       4. The method according to claim 3, further comprising:  
2              modifying said workload configuration data in response to a request to add a  
3              new command;  
4              creating said workload reference object using said modified workload

5 configuration data; and

6 assembling said created workload reference object to create a workload  
7 executable.

1 5. A method for eliminating redundancy among multiple execution sequences  
2 during workload simulation on an e-business application server, the method comprising:  
3 creating a command pattern for commands that recur in the execution  
4 sequences;

5 building a reference workload using said created command pattern;  
6 copying commands in said reference workload in response to a work request;  
7 and  
8 executing said copied commands.

1 6. A method for eliminating redundancy among multiple execution sequences  
2 during workload simulation on an e-business application server, the method comprising:  
3 instantiating an invoker object, said invoker object instantiating a plurality of  
4 command objects, said commands objects for executing specific commands;  
5 assembling said command objects to create a workload executable; and  
6 executing said workload executable.

1 7. A system for eliminating redundancy among multiple execution sequences

2 during workload simulation on a e-business application server, comprising:  
3       an executable workload object;  
4       an invoker object for manipulating said executable workload object, said invoker  
5 instantiating and assembling command objects to create said executable workload  
6 object; and  
7       a master workload object having rules for instantiating and assembling said  
8 command objects.

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8. A machine readable storage having stored thereon, a computer program having  
a plurality of code sections, said code sections executable by a machine for causing the  
machine to perform the steps of:  
9       creating a workload reference object comprising a plurality of reference  
10 command objects for eliminating redundancy among multiple execution sequences  
during workload simulation on an e-business application;  
11       copying selected ones of said reference command objects in response to a work  
12 request to process a workload; and  
13       assembling said copied referenced command objects to create said workload in  
14 response to said work request.

1       9. The machine readable storage according to claim 8, wherein said creating step  
2 further comprises parsing workload configuration data stored in a workload

3 configuration file to create a master workload.

1 10. The machine readable storage according to claim 9, further comprising executing  
2 said assembled command objects.

1 11. The machine readable storage according to claim 10, further comprising:  
2 modifying said workload configuration data in response to a request to add a  
3 new command;

4 creating said workload reference object using said modified workload  
5 configuration data; and

6 assembling said created workload reference object to create a workload  
7 executable.

1 12. A machine readable storage having stored thereon, a computer program having  
2 a plurality of code sections, said code sections executable by a machine for causing the  
3 machine to perform the steps of:

4 creating a command pattern for commands that recur in the execution  
5 sequences, said creating step for eliminating redundancy among multiple execution  
6 sequences during workload simulation on an e-business application server;

7 building a reference workload using said created command pattern;  
8 copying commands in said reference workload in response to a work request;

9 and

10 executing said copied commands.

1       13. A machine readable storage having stored thereon, a computer program having  
2       a plurality of code sections, said code sections executable by a machine for causing the  
3       machine to perform the steps of:

4               instantiating an invoker object, said invoker object instantiating a plurality of  
5       command objects, said commands objects for executing specific commands; said  
6       instantiating step for eliminating redundancy among multiple execution sequences  
7       during workload simulation on an e-business application server;

8               assembling said command objects to create a workload executable; and  
9               executing said workload executable.